

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20060174966").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/17 13:49
S2	3	(("3,557,847") or ("4,640,322") or ("4,943,227")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/25 14:10
S3	2	(("5765606") or ("5347393")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/25 13:14
S4	50	((("20050217752") or ("20060174966") or ("20060196152") or ("20060246190") or ("20060260274") or ("3555991") or ("3613556") or ("3675827") or ("3844541") or ("3898859") or ("3908536") or ("4009912") or ("4043002") or ("4086321") or ("4111492") or ("4140270") or ("4245755") or ("4270493") or ("4275033") or ("4284359") or ("4298327") or ("4299694") or ("4300954") or ("4306891") or ("4311184") or ("4336910") or ("4348910") or ("4388875") or ("4574710") or ("4586545") or ("4860669") or ("4870808") or ("4977968") or ("5188299") or ("5265654") or ("5295523") or ("5307736") or ("5313767") or ("5380957") or ("5409137") or ("5431198") or ("5727736") or ("5735192") or ("5775804") or	US-PGPUB; USPAT	OR	OFF	2007/09/25 14:54

		("5967429") or ("6234071") or ("6287188") or ("6338867") or ("6350607") or ("7210507").PN.				
S5	990	141/67.cccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 11:15
S6	1482	(141/5 or 141/7 or 141/8 or 141/4).cccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 11:15
S7	1179	(141/100 or 141/102 or 141/104).cccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/26 15:16
S8	351	("0249544"   "1022305"   "1068006"   "1359367"   "1759983"   "2042453"   "2087464"   "2115464"   "2142990"   "2234788"   "2470744"   "2517456"   "2540059"   "2540256"   "2611685"   "2693283"   "2703733"   "2708542"   "2730285"   "2778387"   "2780247"   "2797715"   "2880036"   "2907357"   "2981298"   "3045717"   "3063477"   "3114468"   "3115278"   "3176369"   "3189061"   "3192968"   "3224650"   "3258041"   "3260285"   "3269611"   "3322219"   "3339595"   "3352605"   "3358059"   "3372958"   "3378310"   "3467151"   "3499577"   "3543970"   "3580302"   "3586066"   "3596688"   "3623639"   "3626997"   "3633797"   "3647333"   "3656518"   "3664385"   "3693672"   "3718164"   "3788787"   "3792790"   "3819069"   "3832107"   "3847191"   "3850345"   "3861830"   "3868028"   "3889726"   "3938562"	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/09/26 11:38

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		"6484764"   "6485284"   "6497259"   "6527141"). PN. OR ("2004/0173280"   "2005/0217752"   "3587671"   "3605826"   "3656517"   "4545410"   "4640322"   "5265654"   "5280813"   "5341856"   "5431198"   "5738153"   "5775389"   "5797435"   "6035905"   "6176276"   "6425422"   "6474371"   "6612347"   "6668874"   "6679301"   "6889722"   "6948535"   "7210507"). URPN.				
S9	1373	(141/18 or 141/21).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 10:04
S10	76577	constant pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 10:04
S11	1483	(141/5 or 141/7 or 141/8 or 141/4).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/10 09:15
S12	45	S10 and S11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/09/27 11:03
S13	1	("4943227").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/27 11:03
S14	359	141/237.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/10 09:15
S15	149	(406/25 or 406/32).ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/10 07:47

S16	759	222/195.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/10 09:42
S17	321	222/168.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/10 09:16
S18	3574	(222/394 or 222/399). ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/10 09:16
S19	1647	222/399.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/10 09:16
S20	1716557	hopper or supply or tank	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:44
S21	2103284	pressur\$4	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:44
S22	192325	S21 near5 S20	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:46
S23	25214	"141"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:46
S24	82807	"222"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:46
S25	3409	S22 and S23	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:52
S26	4838	S22 and S24	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:47
S27	1693043	rotat\$3	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:53
S28	7333	S27 with S22	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:54
S29	215	S28 and (S23 or S24)	US-PGPUB; USPAT	ADJ	ON	2007/10/17 10:54

S30	30	("2127393"   "2562815"   "2564969"   "2939407"   "3186140"   "3217944"   "3258041"   "3513626"   "3695486"   "3780490"   "3820194"   "3864891"   "4068008"   "4373560"   "4582103"   "4893660"). PN. OR ("4961446"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/17 14:10
S31	2	("4893660") or ("4961446").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/17 13:49
S32	1	("5337795").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/17 14:11
S33	1552	rotat\$3 hopper	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 09:32
S34	17	"rotary joint" WITH hopper	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 10:22
S35	5	volumetric dosing station	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 11:26
S37	15	Facchini with Libero	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 13:08
S38	533	volumetric dos\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/10/31 13:15
S39	274	(406/124 or 406/125 or 406/126 or 406/129).ccls.	US-PGPUB; USPAT	ADJ	ON	2007/10/31 16:59
S40	9	("3580302"   "3850345"   "3889726"   "3978640"   "4943227"   "5626171"   "5685349"   "6390330"   "6425422").PN. OR ("7210507").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/11/01 11:30
S41	36950	cavitation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/05 09:45

S42	25247	"141"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/05 09:46
S43	82874	"222"/\$.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/11/05 09:46
S44	217	S41 and (S42 or S43)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/11/05 09:46
S45	1	("5626171").PN.	US-PGPUB; USPAT	OR	OFF	2007/11/20 16:53
S46	56	"rotary joint" same hopper	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/13 07:55
S48	1371379	tank or hopper or reservoir	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:28
S49	3083121	fill\$3 or dispens\$3 or dos \$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:29
S50	4110944	pressur\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:30
S52	143949	S50 near3 S48	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:31
S53	24683	S52 same S49	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:32
S54	1287711	powdered or powder	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:37
S56	581123	grain or granular	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:38

S57	1706300	particle or particulate	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:39
S58	2846575	S54 or S56 or S57	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:39
S59	1180	S58 same S53	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/12/20 13:39
S60	2	"7175048"	US-PGPUB; USPAT	ADJ	ON	2008/01/28 10:40
S62	26	wolfschaffner	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 10:43
S63	11	("3228563"   "3677540"   "4071166"   "4180185"   "4427133"   "4669634"   "4728240"   "5450984"   "5489166").PN. OR ("7175048").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2008/01/28 10:45
S64	1	2003-430731.NRAN.	DERWENT	ADJ	ON	2008/01/28 10:51
S65	4510613	compress\$3 or fill\$3 or packag\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:29
S66	2810390	machine or aparatus	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:30
S67	4510613	compress\$3 or fill\$3 or packag\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:30
S68	39704	S67 adj S66	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:30
S69	1755124	hopper or supply or tank	US-PGPUB; USPAT	ADJ	ON	2008/01/28 13:31

S70	9151	S68 and S69	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:31
S71	1294540	powdered or powder	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:32
S72	584106	grain or granular	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:32
S73	1717146	particle or particulate	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:32
S74	2862991	S71 or S72 or S73	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:32
S75	3145	S70 and S74	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:32
S76	4166192	pressur\$7	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:33
S77	2375	S75 and S76	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 13:34
S78	12028	hopper with pressur\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 16:53
S79	2304	S78 with S74	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/28 16:54
S80	1	("2851401").PN.	US-PGPUB; USPAT	OR	OFF	2008/01/29 09:00

S81	479	pressur\$4 hopper	USPAT	ADJ	ON	2008/01/29 15:32
S82	154	pressur\$4 hopper and fluidi\$4	USPAT	ADJ	ON	2008/01/29 15:40
S83	174252	mixer or vibrator	USPAT	ADJ	ON	2008/01/29 16:46
S84	81	S81 and S83	USPAT	ADJ	ON	2008/01/29 16:46
S85	3458858	rotat\$4	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:38
S86	779	pressur\$4 hopper	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:38
S87	31	S85 with S86	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:39
S88	86	S85 same S86	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:44
S89	55	S88 not S87	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:44
S90	3545811	pressur\$4	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:57
S91	902	rotat\$4 hopper	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:58
S92	18	S90 with S91	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 13:58
S93	49	S90 same S91	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 14:19
S94	31	S93 not S92	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/30 14:19
S95	165737	hopper	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:29

S96	108493	valve with (controller or computer or PLC)	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:29
S97	1582021	sensor	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:30
S98	1146360	clean\$3	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:30
S100	697	S95 same S96	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:30
S101	182	S100 same S97	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:31
S102	60	S101 and S98	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:31
S103	5165	S95 with S98	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:37
S104	30288	S96 same S97	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:38
S105	42	S103 and S104	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:38
S106	100	S103 same (controller or computer or PLC)	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:40
S107	1481	S96 with S98	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:45
S108	58	S107 and S95	USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 10:45
S109	879	S95 and S98 and S96	US-PGPUB; USPAT	ADJ	ON	2008/01/31 11:03
S110	688394	clean\$3 or flush\$3	USPAT	ADJ	ON	2008/01/31 11:19

S112	321383	hopper or tank	USPAT	ADJ	ON	2008/01/31 11:19
S113	6660	S110 same S111	USPAT	ADJ	ON	2008/01/31 11:19
S114	917498	controller or computer or PLC	USPAT	ADJ	ON	2008/01/31 11:20
S115	1483	S113 and S114	USPAT	ADJ	ON	2008/01/31 11:20
S116	1380758	tank or hopper or reservoir	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 12:46
S117	3106901	fill\$3 or dispens\$3 or dos\$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 12:46
S118	4136956	pressur\$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 12:46
S119	144959	S118 near3 S116	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 12:46
S120	24879	S119 same S117	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2008/01/31 12:46
S121	5064	S120 and S110	US-PGPUB; USPAT	ADJ	ON	2008/01/31 12:46
S122	998982	controller or computer or PLC or processor	USPAT	ADJ	ON	2008/01/31 12:49
S123	1644	S121 and S122	USPAT	ADJ	ON	2008/01/31 12:49
S124	7948	????198.bn.	USPAT	ADJ	ON	2008/01/31 12:53
S125	677	S110 and S124	USPAT	ADJ	ON	2008/01/31 12:56

1/31/2008 4:51:14 PM

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